



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

Professor Drown. It is much to be desired that extended and accurate determinations of normal chlorine should be made in all parts of the country. The importance to the water-analyst of such knowledge has been clearly demonstrated by Professor Drown, and there seems no reason why boards of health should fail to take advantage of so useful a key to the purity of a water. Regarding the disagreeable odors and tastes which often arise in waters Dr. Smith coincides with Professor Drown in concluding that these phenomena are rarely due to putrefactive change, but are "the specific odors of certain organisms."

The microscopical examinations were conducted under the charge of Dr. Williston, who used in his work the method devised by Professor Sedgwick, modifying it, however, in more or less important details. Valuable facts are here presented concerning the occurrence and relative abundance of the different groups of small aquatic organisms. A very interesting description is given of the trouble caused in the Meriden reservoir by the Volvox-like Uroglena. An epidemic of Uroglena has since broken out in several Massachusetts water-supplies, and new light upon the history of this obscure and troublesome organism may soon be hoped for. "In conclusion, it may be interesting to observe that on the average about seven thousand plants and animals, aside from the bacteria, are swallowed with every glassful of Connecticut reservoir water that is drunk!"

Dr. Lee reports upon the microscopical examination for 1890-91 and also upon the bacteriological examination for the two years covered by the report. The bacterial examination of the reservoir waters reveals some interesting facts. "The periods of greatest number [of bacteria] were principally during the fall months, while the smaller numbers were largely during the summer months." There is a decrease in the numbers in both February and March, the months of melting snow. It is evident that extended and systematic bacterial analyses of this character are still greatly needed, and it is to be hoped not only that Connecticut will enlarge this branch of the work, but that the Massa-

chusetts authorities will find it possible to make an early beginning in this same field.

The specific bacteria commonly found in Connecticut waters were studied by Dr. Charles J. Foote, who describes in this report sixteen forms. The species are not named, and the author says "No attempt at identification has . . . been made, since the data in most cases seemed insufficient to warrant it." This, we think, is a fact to be regretted. The species "XXI.," for example, might perhaps have turned out to be *Bacillus janthinus* if a few more facts regarding it had been obtained. Attempts to identify, however unsatisfactory in themselves, lead to the accumulation of new data and result in more adequate descriptions. The growth of the different species in gelatin is described with more than usual discrimination, and with the use of several apt comparisons.

A valuable study of the Connecticut River by Dr. Smith concludes the report.

*The Hygienic Treatment of Consumption.* By M. L. HOLBROOK, M.D. New York, M. L. Holbrook & Co.

By far the larger part of this book is devoted to the discussion of the prevention and treatment of consumption in its earlier stages. Under this head are given the author's views upon suitable exercises for persons of consumptive tendencies, upon clothing, climate, baths, and other familiar topics. These subjects are in the main handled with common sense and with perhaps more than the usual freshness of illustration.

The author calls attention to the dangerous weakening of the constitution arising from an incessant course of "colds," and gives some sensible practical suggestions for individual hygiene. The connection of colds with indigestion is clearly recognized. "Overloading the stomach with indigestible food is a frequent cause of colds. It is far better to wait a little before eating if one is very tired, or to eat slowly and moderately, so as to give the stomach time to regain its power" (p. 44).

#### CALENDAR OF SOCIETIES.

##### Society of Natural History, Boston.

Nov. 2.—George L. Goodale, Certain Aspects of the Vegetation of New Zealand.

##### Philosophical Society, Washington.

Oct. 29.—A. W. Harris, Agricultural Experiment Station Exhibit by the Department of Agriculture at the World's Fair; C. D. Walcott, Notes on the Lower Paleozoic Rocks Between the Susquehanna and Potomac Rivers; T. Russell, Relation of Rain-Fall to River Rise; W. Harkness, Flexure of Telescope Tubes.

#### Publications Received at Editor's Office.

- ACLAND, SIR HENRY W. The Inaugural Robert Boyle Lecture. Oxford, Henry Frowde. 12°. Paper. 45 p.
- ALLEN, HARRISON. On a New Sub-family of Phyllostome Bats. Washington, Government. 8°. Paper. 7 p.
- BAILEY, M. A. American Mental Arithmetic. New York, American Book Co. 16°. 160 p. 35 cts.
- BAKER & Co. Data Concerning Platinum, etc. Newark, Baker & Co. 11 p.
- DOUGHTY, FRANCIS F. Evidences of Man in the Drift. New York, Privately Printed. 8°. Paper. 18 p.
- HURST, J. T. Tables and Memoranda for Engineers. 11th ed. New York, Spon & Chamberlain. 182 p. 50 cts.
- JAMES, BUSHROD W. ALASKANA. Philadelphia, Porter & Coates. 12°. 386 p.
- LUBBOCK, SIR JOHN. The Beauties of Nature. New York, Macmillan & Co. 12°. 443 p. \$1.50.
- NADAILLAC, MARQUIS DE. Manners and Monuments of Prehistoric Peoples. Trans. by Nancy Bell. New York, G. P. Putnam's Sons. 8°. 424 p. ill. \$3.
- PEDDIE, WILLIAM. A Manual of Physics. New York, G. P. Putnam's Sons. 12°. 513 p. ill. \$2.50.
- SIMPSON, CHARLES T. Notes on the Unionidae of Florida and the Southeastern States. Washington, Government. 8°. Paper. 31 p. ill.
- TRUE, FREDERICK W. Annotated Catalogue of Mammals Collected by W. L. Abbott. Washington, Government. 8°. Paper. 35 p. ill.

#### Exchanges.

[Free of charge to all, if of satisfactory character. Address N. D. C. Hodges, 874 Broadway, New York.]

For Exchange—"The Birds of Kansas,"—Goss, for Gray's Anatomy, or Medical Dictionary. Must be in good condition. Address, J. H. SIMPSON, Buchtel College, Akron, Ohio.

For Sale or Exchange.—The subscriber would like to receive cash offers, or an offer in exchange for the earlier volumes of Poggendorf's *Annalen* and the later volumes of Silliman's *Journal*, upon the following list: Cheen—*Manuel de Conchyliologie*. 2 vols. Nearly 5,000 figures, some hand-colored. Paper. Paris, 1859. Edwards.—*Butterflies of N. A.* 2 vols. Plates hand-colored. Vol. I., half calf. Vol. II. in parts. Leyman, Agassiz, Hagen.—*Ills. Cat. Mus. Comp. Zool. at Harvard*. No. I. Ophiuridae. No. II. Acalephae. No. III. Astacidae. All bound in one volume. American Naturalist. Vols. I.—VII. Cloth. Silliman's *Am. Jour. of Science and Arts*. Third Series. Vols. I.—X. Cloth. Binney.—*Terrestrial Mollusks of N. A.* Colored plates. 4 vols. Stretch.—*Zygaenidae and Bombycidae of N. A.* Colored plates. Also a considerable library of monographs, reports, and scientific books, and a large number of duplicates of fossils, minerals and shells. E. A. STRONG, Ypsilanti, Mich., Sept., 1892.

Exchange.—I have the finest shells of Anodonta corpulenta, C'p'r, and Suborbiculata, Say, in the world. Will exchange for fresh water, land, and marine shells, in large or small quantities. Have also for exchange 50 varieties of fresh water and land shells from Spoon River, Ill. DR. W. S. STRODE, Lewistown, Ill.

#### Reading Matter Notices.

Ripans Tabules: best liver tonic.  
Ripans Tabules cure jaundice.

#### Wants.

**WANTED.**—By well-qualified and experienced science master and associate of the Royal School of Mines, London, aged 26 (at present in England), a mastership in technical college or university for any of the following subjects: Engineering sciences, geology and mineralogy, physics, chemistry and metallurgy, etc., etc. Can provide excellent references and credentials. Apply, J. G., 17 Sussex St., Rochdale, England.

**METALLURGICAL CHEMIST** will give instruction in the metallurgy and chemical analysis of iron and steel. Complete or special courses applying to the manufacture of pig irons and steels, as well as to their uses. Address "METALLURGIST," care SCIENCE.

**A GRADUATE** of the University of Pennsylvania and a practical mineralogist of twenty years' experience desires to give his services and a cabinet of 25,000 specimens, all named, with about the same number of duplicates, in minerals, crystals, rocks, gems, fossils, shells, archaeological and ethnological specimens and woods to any institution desiring a fine outfit for study. The owner will increase the cabinet to 50,000 specimens in two years and will act as curator. Correspondence solicited from any scientific institution. J. W. HORTER, M.D., Ph.D., San Francisco, Cal., General P. O. Delivery.

**WANTED.**—A position as zoological artist in connection with a scientific expedition, institution or individual investigations. Experienced in microscopic and all scientific work. References given if desired. Address J. HENRY BLAKE, 7 Prentiss Place, N. Cambridge, Mass.

**CHEMIST AND ENGINEER**, graduate German Polytechnic, Organic and Analytical, desires a position in laboratory or chemical works. Address 213½ E. 7th Street, New York, care Levy.

## The American Geologist for 1892.

Edited by PROF. S. CALVIN, University of Iowa; DR. E. W. CLAYPOLE, Buchtel College; JOHN EVERMAN, Lafayette College; DR. PERSIFOR FRAZER, Penn. Hort. Soc.; PROF. F. W. CRAGIN, Colorado College; PROF. ROBT. T. HILL, U. S. Irrigation Survey; DR. ANDREW C. LAWSON, University of California; R. D. SALISBURY, University of Wisconsin; JOSEPH B. TYRRELL, Geol. Sur. of Canada; E. O. ULRICH, Minnesota Geological Survey; PROF. I. C. WHITE, University of West Virginia; PROF. N. H. WINCHELL, University of Minnesota. Now in its IXth volume. \$3.50 per year. Sample copies, 20 cents. Address

THE GEOLOGICAL PUBLISHING CO., Minneapolis, Minn.

We question if every one would regard rowing in quite as favorable light as does our author. Paddling in a canoe, which is in many respects a much superior exercise, is unmentioned. Lawn-tennis, also, which is one of the best tools of recreative hygiene, does not find a place in our author's discussion. Horse-back riding gets its full due as an admirable form of combined diversion and exercise. Throughout this portion of the book the value of good digestion as an aid to good nutrition is justly insisted upon; and exercise is conservatively regarded as simply a means to the welfare of the whole organism and not as an end in itself.

It seems to us that the author does not emphasize as much as is desirable the means of prevention advocated by many professional bacteriologists. The destruction of tuberculous sputum, if any sort of concerted action can be obtained, will go far towards diminishing the chances of infection. The herding together of the consumptives at "health resorts," and the journeys thither in cars infected by their tuberculous predecessors are raising many serious problems. It will seem to many readers that this side of our author's subject receives inadequate attention.

*Physical Education in the Public Schools.* By R. ANNA MORRIS. New York, American Book Company.

THIS little manual, designed for the use of teachers in the public schools, is well worth reading by all those who have anything to do with the training of children. It contains a simple yet complete course of instruction in school gymnastics, including a brief description of the Delsartian principles of elocution and expression. The author has not confined herself to any one system of calisthenics, but has selected and adapted the movements of several well-known systems. The exercises have been arranged to cover a period of time included by the kindergarten and succeeding grades through the high-school, and consist of a regular progression of movements.

The principal idea is that of training and not straining the

body. Many of the exercises may be taken between the rows of desks, or in the front of the school-room, without the aid of other apparatus than wands, rings, dumb-bells, and clubs. Especial attention is paid to the discussion of the best methods for inducing the correct breathing and carriage of the pupils. The high importance of good ventilation of the school-room is also emphasized. There is included a chapter on temperance-teaching in the public schools, which may give some useful hints.

Finally, a brief course of instruction in reading aloud is outlined, and the manual is completed with a few selections of marches and other music adapted to the accompaniment of the calisthenics. The book contains illustrations and explanatory figures throughout.

#### AMONG THE PUBLISHERS.

MACMILLAN & Co. announce the issue of a collection of papers by the late Sir Daniel Wilson, entitled "The Lost Atlantis, and Other Ethnographic Studies." It contains essays on Trade and Commerce in the Stone Age, The Æsthetic Faculty in Aboriginal Races, Hybridity and Heredity, etc.

—In the same line as Miss Jordan's "College for Women," published in the last number of the *Atlantic Monthly*, there is in the November number an article by Samuel W. Dike, LL.D., entitled "Sociology in the Higher Education of Women." The author discusses the subject at length, and shows that now the problem is to put the education that young women are getting into its true relation to their future, and to do more to equip the girl for what may be called the great profession of being a woman in her social trinity of wife, mother, and member of society. The many suggestions for the carrying-out of this problem make this paper a valuable one. Among other articles in this number may be mentioned Theodore Bacon's "Some Breton Folk-Songs" and a timely political article, "The Two Programmes of 1892."

## Dyspepsia

Dr. T. H. Andrews, Jefferson Medical College, Philadelphia, says of **Horsford's Acid Phosphate.**

"A wonderful remedy which gave me most gratifying results in the worst forms of dyspepsia."

It reaches various forms of Dyspepsia that no other medicine seems to touch, assisting the weakened stomach, and making the process of digestion natural and easy.

Descriptive pamphlet free on application to **Rumford Chemical Works, Providence, R. I.**

Beware of Substitutes and Imitations.  
**For sale by all Druggists.**

## RACES AND PEOPLES.

By DANIEL G. BRINTON, M.D.

"The book is good, thoroughly good, and will long remain the best accessible elementary ethnography in our language."—*The Christian Union*.

"We strongly recommend Dr. Brinton's 'Races and Peoples' to both beginners and scholars. We are not aware of any other recent work on the science of which it treats in the English language."—*Asiatic Quarterly*.

"His book is an excellent one, and we can heartily recommend it as an introductory manual of ethnology."—*The Monist*.

"A useful and really interesting work, which deserves to be widely read and studied both in Europe and America."—*Brighton (Eng.) Herald*.

"This volume is most stimulating. It is written with great clearness, so that anybody can understand, and while in some ways, perforce, superficial, grasps very well the complete field of humanity."—*The New York Times*.

"Dr. Brinton invests his scientific illustrations and measurements with an indescribable charm of narration, so that 'Races and Peoples,' avowedly a record of discovered facts, is in reality a strong stimulant to the imagination."—*Philadelphia Public Ledger*.

"The work is indispensable to the student who requires an intelligent guide to a course of ethnographic reading."—*Philadelphia Times*.

**Price, postpaid, \$1.75.**

## THE AMERICAN RACE.

By DANIEL G. BRINTON, M.D.

"The book is one of unusual interest and value."—*Inter Ocean*.

"Dr. Daniel G. Brinton writes as the acknowledged authority of the subject."—*Philadelphia Press*.

"The work will be of genuine value to all who wish to know the substance of what has been found out about the indigenous Americans."—*Nature*.

"A masterly discussion, and an example of the successful education of the powers of observation."—*Philadelphia Ledger*.

**Price, postpaid, \$2.**

**N. D. C. HODGES, 874 Broadway, N. Y.**

## A TEMPORARY BINDER

for *Science* is now ready, and will be mailed postpaid on receipt of 75 cents.



This binder is strong, durable and elegant, has gilt side-title, and allows the opening of the pages perfectly flat. Any number can be taken out or replaced without disturbing the others, and the papers are not mutilated for subsequent permanent binding. Filed in this binder, *Science* is always convenient for reference.

**N. D. C. HODGES, Publisher,**

874 Broadway, New York.

**B**ACK NUMBERS and complete sets of leading Magazines. *Rates low.* AM. MAG. EXCHANGE. Schenectady N.Y.

## RESTORE YOUR EYESIGHT

Cataracts, scars or films can be absorbed and paralyzed nerves restored, **without the knife or risk.** Diseased eyes or lids can be cured by our **home treatment.** "We prove it." **Hundreds convinced.** Our illustrated pamphlet, "Home Treatment for Eyes," free. Don't miss it. Everybody wants it. "THE EYE," Glens Falls, N.Y.

**NEW ARC LAMP**  
**COLLEGE PROJECTOR**  
FOR INCANDESCENT CURRENT.  
ABSOLUTELY STEADY LIGHT.  
SEND FOR CIRCULAR TO  
**J.W. QUEEN & CO.**  
PHILA. PA.

## GRIGGS' GERMAN PHILOSOPHICAL CLASSICS

For English Readers and Students.

Issued under the editorial supervision of  
Prof. GEO. S. MORRIS, Ph.D.

Devoted to a critical exposition of the  
masterpieces of German thought.

## List of Volumes.

- I.—Kant's Critique of Pure Reason. A Critical Exposition. By George S. Morris, Ph.D. 16mo, cloth, \$1.25.
- II.—Schelling's Transcendental Idealism. A Critical Exposition. By John Watson, LL.D., Professor of Philosophy, Queen's University. \$1.25.
- III.—Fichte's Science of Knowledge. A Critical Exposition. By C. C. Everett, D.D., Professor of Theology in Harvard University. \$1.25.
- IV.—Hegel's Aesthetics. A Critical Exposition. By J. S. Kedney, S.T.D., Professor in the Seabury Divinity School, Faribault, Minn. \$1.25.
- V.—Kant's Ethics. A Critical Exposition. By President Noah Porter. \$1.25.
- VI.—Hegel's Philosophy of the State and of History. A Critical Exposition. By George S. Morris, Ph.D. \$1.25.
- VII.—Leibniz's New Essays Concerning the Human Understanding. A Critical Exposition. By John Dewey, Ph.D., of the University of Michigan. \$1.25.
- VIII.—Hegel's Logic. A Book on the Genesis of the Categories of the Mind. A Critical Exposition. By William T. Harris, LL.D., U. S. Commissioner of Education. 16mo, 436 pages. \$1.50.

## What is Said of the Series.

"'Griggs' Philosophical Series' is the most valuable philosophical publication for popular purposes which has appeared in this country. It is not a mere translation or republication of the great German masters, but a critical exposition."—*Christian Intelligencer*, New York.

"The publication of these hand-books marks an epoch in the history of philosophical studies in this country, and should be encouraged."—*Boston Advertiser*.

"These excellent books, as remarkable for ability as for clearness, will do much to clear the way, and make the mastery of the German systems a comparatively easy task."—*New York Examiner*.

"This philosophical series, which would do credit to the press of Leipzig or Oxford, says much for the progress of philosophical study in America."—*Canadian Methodist Magazine*, Toronto.

"This Series of Philosophical Classics, edited by Prof. George S. Morris, of Michigan, and published in the enterprising city of Chicago, deserves to be much better known than it has hitherto been to students of German philosophy on this side of the Atlantic. The exposition of the work taken in hand is full and minute."—*Mind*, London, Eng.

"One of the most valuable literary enterprises of the day. Each volume is a condensed presentation made by an author who combines thorough philosophical study with literary talent, and who has made a specialty of the philosopher whose work is interpreted."—*Boston Traveller*.

"This series is one of those educational works in which every friend of sound learning has an interest."—*New York Independent*.

These books are bound in uniform style, in brown silk cloth. The eight volumes, put up in a neat paper box, will be sent, express paid, on receipt of \$10, by the publishers.

S. C. GRIGGS &amp; CO.,

262 and 264 Wabash Ave., Chicago.

## TO THOSE INTERESTED IN SCIENCE.

[Science (weekly) established in 1883, N. D. C. HODGES,  
874 Broadway, New York City.]

Titles of Some Articles Published in *Science* since  
Jan. 1, 1892.

Aboriginal North American Tea.  
Actinism.  
Agriculture, Experimental, Status of.  
Amenhotep, King, the tomb of.  
Anatomy, The Teaching of, to Advanced Medical Students.  
Anthropology, Current Notes on.  
Architectural Exhibition in Brooklyn.  
Arsenical Poisoning from Domestic Fabrics.  
Artesian Wells in Iowa.  
Astronomical Notes.  
Bacteria, Some Uses of.  
Bird on Its Nest, The.  
Birds Breeding at Hanover, N. H.  
Botanical Laboratory, A.  
Botanists, American and Nomenclature.  
Brain, A Few Characteristics of the Avian.  
Bythoscopidae and Cereopidae.  
Canada, Royal Society of.  
Celts, The Question of the.  
Chalicotherium, The Ancestry of.  
Chemical Laboratory of the Case School.  
Children, Growth of.  
Collection of Objects Used in Worship.  
Cornell, The Change at.  
Deaf, Higher Education of the.  
Diamonds in Meteorites.  
Diphtheria, Tox-Albumin.  
Dynamics, Fundamental Hypotheses of.  
Electrical Engineer, The Technical Education of.  
Eskimo Throwing Sticks.  
Etymology of two Iroquoian Compound Stems.  
Eye-Habits.  
Eyes, Relations of the Motor Muscles of, to Certain Facial Expressions.  
Family Traits, Persistence of.  
Fishes, The Distribution of.  
Fossils, Notice of New Gigantic.  
Four-fold Space, Possibility of a Realization of.  
Gems, Artificial, Detection of.  
Glacial Phenomena in Northeastern New York.  
Grasses, Homoptera Injurious to.  
Great Lakes, Origin of the Basins of.  
"Healing, Divine."  
Hemipterus Mouth, Structure of the.  
Hofmann, August Wilhelm von.  
Hypnotism among the Lower Animals.  
Hypnotism, Traumatic.  
Indian occupation of New York.  
Infant's Movements.  
Influenza, Latest Details Concerning the Germs of.  
Insects in Popular Dread in New Mexico.  
Inventions in Foreign Countries, How to Protect.  
Inventors and Manufacturers Association.  
Iowa Academy of Sciences.  
Jargon, The Chinook.  
Jassidae, Notes on Local.  
Keller, Helen.  
Klamath Nation, Linguistics.  
Laboratory Training, Aims of.  
Lewis H. Carvill, Work on the Glacial Phenomena.  
Lighting, New Method of Protecting Buildings from.  
Lion Breeding.  
Lissajou's Curves, Apparatus for the Production of.  
Maize Plant, Growth and Chemical Composition of.  
Maya Codices, a Key to the Mystery of.  
Medicine, Preparation for the Study of.  
Mineral Discoveries, Washington.  
Museums, The Support of.  
Palenque Tablet, a Brief Study of.  
Patent Office Building, The.  
Physa Heterostrophia Say, Notes on the Fertility of.  
Pict's House, A.  
Pocket Gopher, Attempted Extermination of.  
Polariscopes, Direct Reflecting.  
Psychological Laboratory at Toronto.  
Psychological Training, The Need of.  
Psylla, the Pear-Tree.  
Rain-Making.  
Rice-Culture in Japan, Mexico and the United States.  
Rivers, Evolution of the Loup, in Nebraska.  
Scientific Alliance, The.  
Sistrurus and Crotalophorus.  
Star Photography, Notes on.  
Star, The New, in Auriga.  
Storage of Storm-Waters on the Great Plains.  
Teaching of Science.  
Tiger, A New Sabre-Toothed, from Kansas.  
Timber Trees of West Virginia.  
Tracheæ of Insects, Structure of.  
Vein-Formation, Valuable Experiments in.  
Weeds as Fertilizing Material.  
Weeds, American.  
Will, a Recent Analysis of.  
Wind-Storms and Trees.  
Wines, The Sophisticated French.  
Zoology in the Public Schools of Washington, D. C.

Some of the Contributors to *Science* Since Jan.  
1, 1892.

Aaron, Eugene M., Philadelphia, Pa.  
Allen, Harrison, Philadelphia, Pa.  
Ashmead, Albert S., New York City.  
Bailey, L. H., Cornell University, Ithaca, N. Y.  
Baldwin, J. Mark, University of Toronto, Canada.

Ball, V., C. B., LL.D., F.R.S., Dublin, Ireland.  
Barnes, Charles Reid, Madison, Wis.  
Baur, G., Clark University, Worcester, Mass.  
Beal, W. J., Agricultural College, Mich.  
Beals, A. H., Milledgeville, Ga.  
Beauchamp, W. M., Baldwinsville, N.Y.  
Bell, Alexander Graham, Washington, D. C.  
Boas, Franz, Clark University, Worcester, Mass.  
Bolley, H. L., Fargo, N. Dak.  
Bolles, Frank, Cambridge, Mass.  
Bostwick, Arthur E., Montclair, N.J.  
Bradley, Milton, Springfield, Mass.  
Brinton, D. G., Philadelphia, Pa.  
Call, E. Ellsworth, Des Moines, Ia.  
Chandler, H., Buffalo, N.Y.  
Comstock, Theo. B., Tucson, Arizona.  
Conn, H. W., Middletown, Conn.  
Coulter, John M., Indiana University.  
Cragin, F. W., Colorado Springs, Col.  
Cresson, Hilborne T., Philadelphia, Pa.  
Davis, W. M., Harvard College, Cambridge, Mass.  
Dimmock, George, Canobie Lake, N.H.  
Dixon, Edward T., Cambridge, England.  
Farrington, E. H., Agric. Station, Champaign, Ill.  
Ferre, Barr, New York City.  
Fessenden, Reginald A., Lafayette, Ind.  
Flexner, Simon, Johns Hopkins, Baltimore, Md.  
Foshay, P. Max, Rochester, N.Y.  
Gallaudet, E. M., Kendall Green, Washington, D.C.  
Garman, S., Mus. Comp. Zool., Cambridge, Mass.  
Gibbs, Morris, Kalamazoo, Mich.  
Golden, Katherine E., Agric. College, Lafayette, Ind.  
Grinnell, George B., New York City.  
Hale, Edwin M., Chicago, Ill.  
Hale, George S., Boston, Mass.  
Hale, Horatio, Clinton, Ontario, Canada.  
Hall, T. Proctor, Clark University, Worcester, Mass.  
Halsted, Byron D., Rutg. Coll., New Brunswick, N.J.  
Haworth, Erasmus, Oskaloosa, Iowa.  
Hay, O. P., Irvington, Ind.  
Haynes, Henry W., Boston, Mass.  
Hazen, H. A., Weather Bureau, Washington, D.C.  
Hewitt, J. N. B., Bureau of Ethnol., Washington, D. C.  
Hicks, L. E., Lincoln, Neb.  
Hill, E. J., Chicago, Ill.  
Hill, Geo. A., Naval Observatory, Washington, D.C.  
Hitchcock, Romyn, Washington, D.C.  
Holmes, E. L., Chicago, Ill.  
Hoskins, L. M., Madison, Wis.  
Hotchkiss, Jed., Staunton, Va.  
Houston, Edwin J., Philadelphia, Pa.  
Howe, Jas. Lewis, Louisville, Ky.  
Hubbard, Gardiner G., Washington, D.C.  
Jackson, Dugald C., Madison, Wisconsin.  
James, Joseph E., Agric. Dept., Washington, D.C.  
Johnson, Roger B., Miami University, Oxford, O.  
Keane, A. H., London, England.  
Kellerman, Mrs. W. A., Columbus, O.  
Kellicott, D. S., State University, Columbus, O.  
Kellogg, D. S., Plattsburgh, N. Y.  
Lintner, J. A., Albany, N. Y.  
Loeb, Morris, New York City.  
Mabery, Charles F., Cleveland, Ohio.  
Macloskie, G., Princeton, N.J.  
McCarthy, Gerald, Agric. Station, Raleigh, N. C.  
MacDonald, Arthur, Washington, D.C.  
MacGregor, J. C., Halifax, Nova Scotia.  
MacKitchie, David, Easter Lodge, Perthshire, Scotland.  
Marshall, D. T., Metuchen, N.J.  
Mason, O. T., Smithsonian Inst., Washington, D. C.  
Mills-paugh, Charles F., Morgantown, W. Va.  
Morse, Edward S., Salem, Mass.  
Nichols, C. F., Boston, Mass.  
Nuttall, George H. F., Johns Hopkins, Baltimore, Md.  
Oliver, J. E., Cornell University, Ithaca, N.Y.  
Osborn, Henry F., Columbia College, New York City.  
Osborn, Herbert, Agricultural College, Ames, Iowa.  
Pammel, L. H., Agricultural Station, Ames, Iowa.  
Pillsbury, J. H., Smith College, Northampton, Mass.  
Poteat, W. L., Wake Forest, N. C.  
Preble, Jr., W. P., New York City.  
Prescott, Albert B., Ann Arbor, Mich.  
Riley, C. V., Washington, D. C.  
Ruffner, W. H., Lexington, Va.  
Sanford, Edmund C., Clark Univ., Worcester, Mass.  
Scripture, E. W., Clark University, Worcester, Mass.  
Seler, Dr. Ed., Berlin, Germany.  
Shufeldt, R. W., Washington, D.C.  
Slade, D. D., Museum Comp. Zool., Cambridge, Mass.  
Smith, John B., Rutgers Coll., New Brunswick, N. J.  
Southwick, Edmund B., New York City.  
Stevens, George T., New York City.  
Stevenson, S. Y., Philadelphia, Pa.  
Stone, G. H., Colorado Springs, Col.  
Taylor, Isaac, Settrington, England.  
Thomas, Cyrus, Washington, D. C.  
Thurston, R. H., Cornell University, Ithaca, N.Y.  
Todd, J. E., Tabor, Iowa.  
True, Frederick W., Nat. Mus., Washington, D.C.  
Turner, C. H., Univ. of Cincinnati, Cincinnati, O.  
Wake, C., Staniland, Chicago, Ill.  
Ward, R. DeC., Harvard Univ., Cambridge, Mass.  
Ward, Stanley M., Scranton, Pa.  
Warder, Robert B., Howard Univ., Washington, D.C.  
Welch, Wm. H., Johns Hopkins, Baltimore, Md.  
West, Gerald M., Clark University, Worcester, Mass.  
Whitman, C. O., Clark University, Worcester, Mass.  
Williams, Edward H., Lehigh Univ., Bethlehem, Pa.